

File C088

# RECEIVED

PTO/SB/08B (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 2 of 3

Complete if Known

TECH CENTER 1600/2900

Application Number	09/663.600
Filing Date	September 15, 2000
First Named Inventor	DUMAS MILNE EDWARDS, et al.
Group Art Unit	1646
Examiner Name	Eileen B. O'Hara
Attorney Docket Number	31.US3.CIP

### OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	J	FURUSE, et al.; "Claudin-1 and -2: Novel Integral Membrane Proteins Localizing at Tight Junctions with No Sequence Similarity to Occludin"; The Journal of Cell Biology, Vol. 141, No. 7, June 29, 1998, pp. 1539-1550; The Rockefeller University Press, 0021-9525/98/06/1539/12	
	K	FURUSE, et al.; "Manner of Interaction of Heterogeneous Claudin Species Within and Between Tight Junction Strands"; The Journal of Cell Biology, Vol. 147, No. 4, November 15, 1999, pp. 891-908; The Rockefeller University Press, 0021-9525/99/11/891/13	
	L	KATAHIRA, et al.; "Molecular Cloning and Functional Characterization of the Receptor for Clostridium perfringens Enterotoxin"; The Journal of Cell Biology, Vol. 136, No. 6, March 24, 1997, pp. 1239-1247; The Rockefeller University Press, 0021-9525/97/03/1239/9	
	M	KINUGASA, et al.; "Claudins Regulate the Intestinal Barrier in Response to Immune Mediators"; Gastroenterology 2000; Vol. 118, pp. 1001-1011; The American Gastroenterological Association; 0016-5085/00	
	N	LIPPOLDT, et al.; "Organization of choroid plexus epithelial and endothelial cell tight junctions and regulations of claudin-1, -2 and -5 expression by protein kinase C"; Molecular Neuroscience; NeuroReport, Vol. 11, No. 7, pp. 1427-1431, May 15, 2000; Lippincott Williams & Wilkins, 0959-4965	
	O	LOCKHART, et al.; "Expression monitoring by hybridization to high-density oligonucleotide arrays"; Research Article; Nat Biotechnol. 14(13):1675-80; Published on Dec 1996; p.1675-1680; XP-002074420	
	P	TASHIRO, et al.; "Signal Sequence Trap: A Cloning Strategy for Secreted Proteins and Type-1 Membrane Proteins"; Science, Vol. 261, July 30, 1993; pp. 660-663; XP-000673204	
	Q	YOKOYAMA-KOBAYASHI, et al.; "A signal sequence detection system using secreted protease activity as an indicator"; Gene, Vol. 163 (1995), pp. 193-196; Elsevier Science B.V.; ISSN 0378-4119(95)00322-3	
	R	Accession No. AAG17984; Claudin-2, Homo Sapiens, Database: Genbank; GU, J.R., et al.; submitted August 1999; "Novel human cDNA clone with function of inhibiting cancer cell growth"; Unpublished	
	S	Accession No. AAC27079; Claudin-2, Mus musculus, Database: Genbank; FURUSE, et al.; submitted June 15, 1998; "Claudin-1 and -2: Novel Integral Membrane Proteins Localizing at Tight Junctions with No Sequence Similarity to Occludin"; J. Cell Biol. 141(7):1539-1550 (1998)	
	T	Accession No. T03538; Bento Soares Homo sapiens cDNA clone IB43; Database: EMBL; SIKELA, J.M.; submitted September 21, 1992	

Examiner Signature

Eileen B. O'Hara

Date

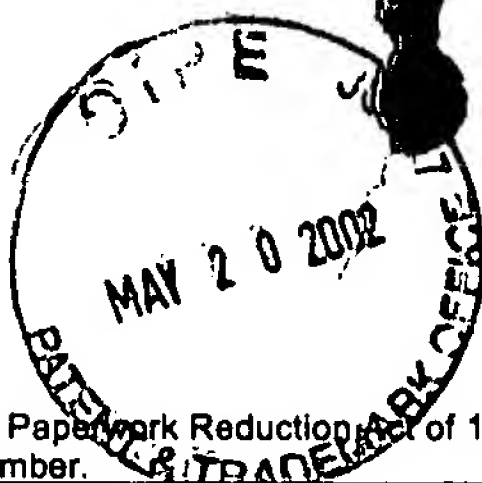
Considered

7/26/02

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



RECEIVED

PTO/SB/08B (10-01)

Approved for use through 10/31/2002

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

TECH CENTER 1600/2900

Substitute for form 1449B/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	09/663.600
		Filing Date	September 15, 2000
		First Named Inventor	DUMAS MILNE EDWARDS. et al.
		Group Art Unit	1646
		Examiner Name	Eileen B. O'Hara
		Attorney Docket Number	31.US3.CIP
Sheet	3	of	3

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
	U	<del>Accession No. AA057573; Homo sapiens cDNA clone IMAGE:381523; Database: EMBL; WILSON; submitted September 6, 1996</del>	
	V	<del>Accession No. N57409; Homo sapiens cDNA clone IMAGE:258726; Database: EMBL; WILSON; submitted February 22, 1996</del>	
EJA	W	CARNINCI, et al.; "High-efficiency full-length cDNA cloning by biotinylated CAP trapper"; Genomics, 37(3):327-36; November 1, 1996; PMID:8938445	
EJA	X	KATO, et al.; "Construction of a human full-length cDNA bank"; Gene, 150(2):243-50; December 15, 1994; PMID:7821789	
EJA	Y	VON HEIJNE, G.; "A new method for predicting signal sequence cleavage sites"; Nucleic Acids Res. 14(11):4683-90; published June 11, 1986; PMID:3714490	
EJA	Z	NOMURA, N., et al.; "Prediction of the coding sequences of unidentified human genes. I. The coding sequences of 40 new genes (KIAA0001-KIAA0040) deduced by analysis of randomly sampled cDNA clones from human immature myeloid cell line KG-1"; DNA Res. 1(1):27-35; published in 1994; PMID:7584026	
EJA	AA	ADAMS, M.D., et al.; "Initial assessment of human gene diversity and expression patterns based upon 83 million nucleotides of cDNA sequence"; Nature 377 (6547 Suppl):3-174; published September 28, 1995; PMID:7566098	
EJA	AB	HILLIER, L.D., et al.; "Generation and analysis of 280,000 human expressed sequence tags"; Genome Res. 6(9):807-28; published September 1996; PMID:8889549	

Examiner Signature	Eileen B. O'Hara	Date Considered	7/26/02
--------------------	------------------	-----------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.